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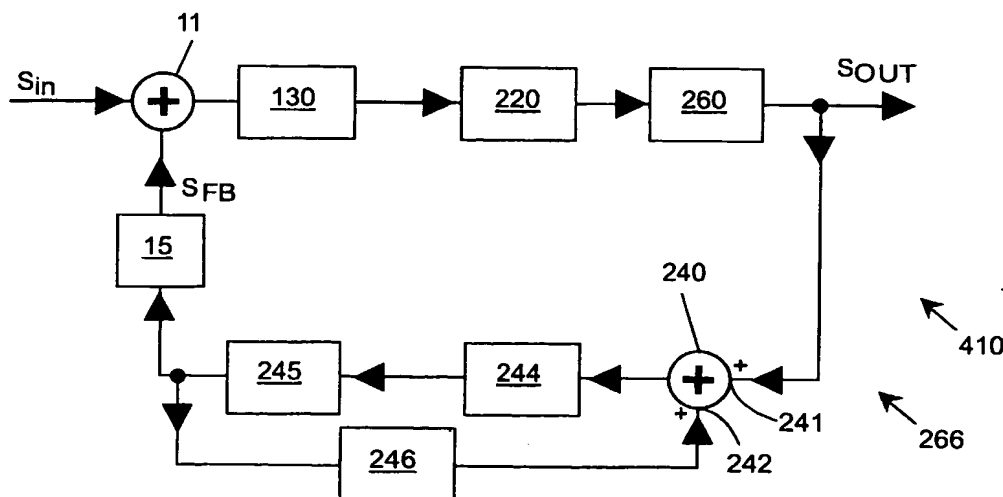
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[Continued on next page]

(54) Title: PULSE WIDTH-MODULATED NOISE SHAPER



(57) Abstract: A pulse width-modulated noise shaper (410) is described, which employs feedback from the power stage (260). Formation of the pulse width-modulated signal is done by applying a digital noise shaper (410) which uses feedback from the output of the power stage. Thus, any errors created by the power stage (260) are automatically corrected.

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IB 03/04795

## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03F H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/078179 A (HARMAN INTERNAT IND INC ; STANLEY GERALD R (US)) 3 October 2002 (2002-10-03) page 4, line 12 - line 24 page 20, line 17 - line 21; figures 3,4	1
A	US 5 548 286 A (CRAVEN PETER G) 20 August 1996 (1996-08-20) cited in the application column 11, line 55 - column 12, line 13; figure 8	
A	US 5 898 340 A (CHATTERJEE MANJIRNATH A ET AL) 27 April 1999 (1999-04-27) cited in the application figures 1,3	
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 104 094 A (NOKIA MOBILE PHONES LTD) 30 May 2001 (2001-05-30) cited in the application -----	

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